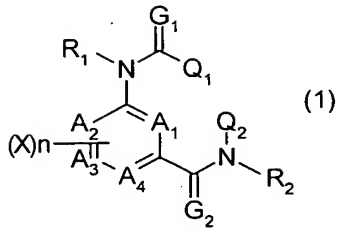
CLAIMS

1. A compound represented by Formula (1):



(1)

wherein A_1, A_2, A_3 and A_4 each represent a carbon atom, a nitrogen atom or an oxidized nitrogen atom;

R_1 and R_2 each represent a hydrogen atom, an optionally substituted alkyl group or an optionally substituted C1-C4 alkylcarbonyl group;

G_1 and G_2 each represent an oxygen atom or a sulfur atom;

X, which may be identical or different each other, represents a hydrogen atom, a halogen atom, a C1-C3 alkyl group or a trifluoromethyl group;

n is an integer of 0 to 4;

Q_1 represents an optionally substituted phenyl group, an optionally substituted naphthyl group or an optionally substituted heterocyclic group; and

Q_2 represents a phenyl group or heterocyclic group having one or more substituents, at least one of the substituent being any of a C1-C4 haloalkoxy group, a C2-C6 perfluoroalkyl group, a C1-C6 perfluoroalkylthio group, a C1-C6 perfluoroalkylsulfinyl group and a C1-C6 perfluoroalkylsulfonyl group.

2. The compound according to claim 1 represented by Formula (1), wherein

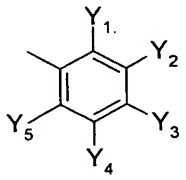
R_1 and R_2 are each a hydrogen atom or a C1-C4 alkyl group;

Xs, which may be identical or different each other, are a hydrogen atom, a halogen atom or a trifluoromethyl group;

Q_1 is a phenyl group, or a substituted phenyl group having one or more substituents, which may be identical or different, selected from a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group, a C2-C4 haloalkenyl group, a C2-C4 alkynyl group, a C2-C4 haloalkynyl group, a C3-C6 cycloalkyl group, a C3-C6 halocycloalkyl group, a C1-C3 alkoxy group, a C1-C3 haloalkoxy group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, a C1-C4 alkylamino group, a di-C1-C4-alkylamino group, a cyano group, a nitro group, a hydroxyl group, a C1-C4 alkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, a C1-C4 alkoxycarbonyl group, an acetylamino group, and a phenyl group; a heterocyclic group (the heterocyclic group herein represents a pyridyl group, a pyridin-N-oxide group, a pyrimidinyl group, a pyridazyl group, a pyrazyl group, a furyl group, a thienyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, an imidazolyl group, a triazolyl group, a pyrrolyl group, a pyrazolyl group or a tetrazolyl group), or a substituted heterocyclic group (which means the same as those described above) having one or more substituents, which may be identical or different, selected from a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group, a C2-C4 haloalkenyl group, a C2-C4 alkynyl group, a C2-C4 haloalkynyl group, a C3-C6 cycloalkyl group, a C3-C6 halocycloalkyl group, a C1-C3 alkoxy group, a C1-C3 haloalkoxy group,

a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, a C1-C4 alkylamino group, a di-C1-C4-alkylamino group, a cyano group, a nitro group, a hydroxyl group, a C1-C4 alkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, a C1-C4 alkoxycarbonyl group, an acetylamino group, and a phenyl group;

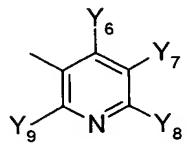
Q_2 is represented by Formula (2):



(2)

(wherein Y_1 and Y_5, which may be identical or different, each represent a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group or a cyano group; Y_3 represents a C2-C6 perfluoroalkyl group, a C1-C6 perfluoroalkylthio group, a C1-C6 perfluoroalkylsulfinyl group or a C1-C6 perfluoroalkylsulfonyl group; and Y_2 and Y_4 each represent a hydrogen atom, a halogen atom or a C1-C4 alkyl group);

or by Formula (3):

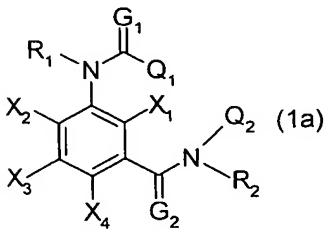


(3)

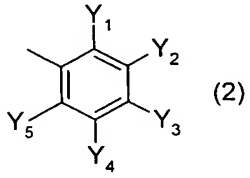
(wherein Y_6 and Y_9, which may be identical or different, each represent a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3

alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl groupf or a cyano group; Y_8 represents a C1-C4 haloalkoxy group, a C2-C6 perfluoroalkyl group, a C1-C6 perfluoroalkylthio group, a C1-C6 perfluoroalkylsulfinyl group or a C1-C6 perfluoroalkylsulfonyl group; and Y_7 represents a hydrogen atom, a halogen atom or a C1-C4 alkyl group).

3. The compound according to claim 2, represented by Formula (1a), which is Formula (1) with A_1, A_2, A_3 and A_4 being all carbon atoms:

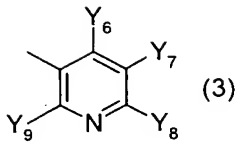


wherein R_1, R_2, G_1, G_2 and Q_1 have the same meanings as those described in claim 2, and Q_2 is represented either by Formula (2):



(wherein Y_1 and Y_5, which may be identical or different, each represent a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group or a cyano group; Y_3 represents a C1-C6 perfluoroalkylthio group, a C1-C6 perfluoroalkylsulfinyl group or a C1-C6 perfluoroalkylsulfonyl group; and Y_2 and Y_4 each represent a hydrogen atom, a halogen atom or a C1-C4 alkyl group);

or by Formula (3):

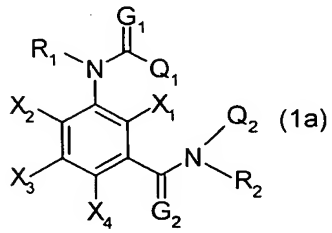

(3)

(wherein Y_6 and Y_9, which may be identical or different, each represent a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group or a cyano group; Y_8 represents a C1-C4 haloalkoxy group, a C1-C6 perfluoroalkylthio group, a C1-C6 perfluoroalkylsulfinyl group or a C1-C6 perfluoroalkylsulfonyl group; and Y_7 represents a hydrogen atom, a halogen atom or a C1-C4 alkyl group),

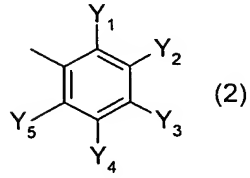
wherein in Formula (1a), X_1 and X_2 each represent a hydrogen atom or a fluorine atom; and

X_3 and X_4 represent a hydrogen atom.

4. The compound according to claim 1 or 2, represented by Formula (1a), which is Formula (1) with A_1, A_2, A_3 and A_4 being all carbon atoms:

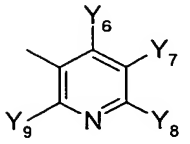

(1a)

wherein Q_2 is represented either by Formula (2):


(2)

(wherein Y_1 and Y_5, which may be identical or different, each represent a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group or a cyano group; Y_3 represents a C2-C6 perfluoroalkyl group; and Y_2 and Y_4 each represent a hydrogen atom, a halogen atom or a C1-C4 alkyl group);

or by Formula (3):


(3)

(wherein Y_6 and Y_9, which may be identical or different, each represent a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group or a cyano group; Y_8 represents a C2-C6 perfluoroalkyl group; and Y_7 represents a hydrogen atom, a halogen atom or a C1-C4 alkyl group);

X_1 and X_2 each represent a hydrogen atom or a fluorine atom;

X_3 and X_4 represent a hydrogen atom;

one of R_1 and R_2 is a hydrogen atom, the other is a C1-C4 alkyl group, or both of them are a C1-C4 alkyl group;

G_1 and G_2 each represent an oxygen atom or a sulfur atom; and

Q_1 represents a phenyl group; a substituted phenyl group having one or more substituents, which may be identical or different, selected from a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group, a C2-C4 haloalkenyl group, a C2-C4

alkynyl group, a C2-C4 haloalkynyl group, a C3-C6 cycloalkyl group, a C3-C6 halocycloalkyl group, a C1-C3 alkoxy group, a C1-C3 haloalkoxy group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, a C1-C4 alkylamino group, a di-C1-C4-alkylamino group, a cyano group, a nitro group, a hydroxyl group, a C1-C4 alkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, a C1-C4 alkoxycarbonyl group, an acetylamino group and a phenyl group; a heterocyclic group (the heterocyclic group herein represents a pyridyl group, a pyridin-N-oxide group, a pyrimidinyl group, a pyridazyl group, a pyrazyl group, a furyl group, a thienyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, an imidazolyl group, a triazolyl group, a pyrrolyl group, a pyrazolyl group or a tetrazolyl group); or a substituted heterocyclic group (which means the same as those described above) having one or more substituents, which may be identical or different, selected from a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group, a C2-C4 haloalkenyl group, a C2-C4 alkynyl group, a C2-C4 haloalkynyl group, a C3-C6 cycloalkyl group, a C3-C6 halocycloalkyl group, a C1-C3 alkoxy group, a C1-C3 haloalkoxy group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, a C1-C4 alkylamino group, a di-C1-C4-alkylamino group, a cyano group, a nitro group, a hydroxyl group, a C1-C4 alkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, a C1-C4 alkoxycarbonyl group, an acetylamino

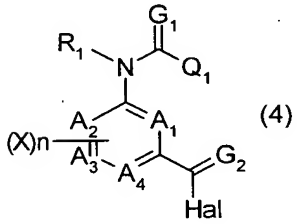
group and a phenyl group.

5. The compound according to claim 1 or 2, represented by Formula (1), wherein A_1 is a nitrogen atom or an oxidized nitrogen atom; A_2, A_3 and A_4 are a carbon atom; R_1 and R_2 are each a hydrogen or a C1-C4 alkyl group; X is a hydrogen atom or a fluorine atom; n is 0 or 1; and G_1 and G_2 are an oxygen atom.

6. The compound according to any one of claims 3 to 5, wherein Q_1 is a phenyl group; a substituted phenyl group having one or more substituents, which may be identical or different, selected from a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group, a C2-C4 haloalkenyl group, a C2-C4 alkynyl group, a C2-C4 haloalkynyl group, a C3-C6 cycloalkyl group, a C3-C6 halocycloalkyl group, a C1-C3 alkoxy group, a C1-C3 haloalkoxy group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, a C1-C4 alkylamino group, a di-C1-C4-alkylamino group, a cyano group, a nitro group, a hydroxyl group, a C1-C4 alkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, a C1-C4 alkoxycarbonyl group, an acetylamino group and a phenyl group; a pyridyl group; or a substituted pyridyl group having one or more substituents, which may be identical or different, selected from a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group, a C2-C4 haloalkenyl group, a C2-C4 alkynyl group, a C2-C4 haloalkynyl group, a C3-C6 cycloalkyl group, a C3-C6 halocycloalkyl group, a C1-C3 alkoxy group, a C1-C3 haloalkoxy group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group,

a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, a C1-C4 alkylamino group, a di-C1-C4-alkylamino group, a cyano group, a nitro group, a hydroxyl group, a C1-C4 alkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, a C1-C4 alkoxycarbonyl group, an acetylamino group and a phenyl group.

7. A compound represented by Formula (4):



(4)

wherein A_1, A_2, A_3 and A_4 each represent a carbon atom, a nitrogen atom or an oxidized nitrogen atom;

R_1 represents a hydrogen atom, a C1-C4 alkyl group or a C1-C4 alkylcarbonyl group;

G_1 and G_2 each represent an oxygen atom or a sulfur atom;

X, which may be identical or different each other, represents a hydrogen atom, a halogen atom, an optionally substituted C1-C3 alkyl group or a trifluoromethyl group;

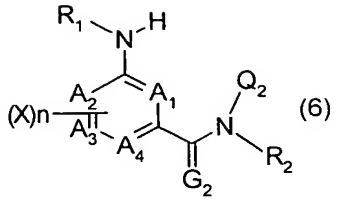
n represents an integer of 0 to 4;

Q_1 represents a phenyl group; a substituted phenyl group having one or more substituents, which may be identical or different, selected from a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group, a C2-C4 haloalkenyl group, a C2-C4 alkynyl group, a C2-C4 haloalkynyl group, a C3-C6 cycloalkyl group, a C3-C6 halocycloalkyl group, a C1-C3 alkoxy group, a C1-C3 haloalkoxy group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3

alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, a C1-C4 alkylamino group, a di-C1-C4-alkylamino group, a cyano group, a nitro group, a hydroxyl group, a C1-C4 alkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, a C1-C4 alkoxycarbonyl group, an acetylamino group and a phenyl group; a heterocyclic group (the heterocyclic group herein represents a pyridyl group, a pyridin-N-oxide group, a pyrimidinyl group, a pyridazyl group, a pyrazyl group, a furyl group, a thienyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, an imidazolyl group, a triazolyl group, a pyrrolyl group, a pyrazolyl group or a tetrazolyl group); or a substituted heterocyclic group (which means the same as those described above) having one or more substituents, which may be identical or different, selected from a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group, a C2-C4 haloalkenyl group, a C2-C4 alkynyl group, a C2-C4 haloalkynyl group, a C3-C6 cycloalkyl group, a C3-C6 halocycloalkyl group, a C1-C3 alkoxy group, a C1-C3 haloalkoxy group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, a C1-C4 alkylamino group, a di-C1-C4-alkylamino group, a cyano group, a nitro group, a hydroxyl group, a C1-C4 alkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, a C1-C4 alkoxycarbonyl group, an acetylamino group or a phenyl group; and

Hal represents a chlorine atom or a bromine atom.

8. A compound represented by Formula (6):



(6)

wherein A_1, A_2, A_3 and A_4 each represented by a carbon atom, a nitrogen atom or an oxidized nitrogen atom;

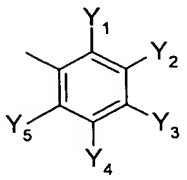
R_1 and R_2 each represent a hydrogen atom, a C1-C4 alkyl group or a C1-C4 alkylcarbonyl group;

G_2 represents an oxygen atom or a sulfur atom;

X, which may be identical or different, represents a hydrogen atom, a halogen atom, an optionally substituted C1-C3 alkyl group or a trifluoromethyl group;

n represents an integer of 0 to 4;

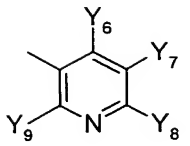
Q_2 is represented either by Formula (2):



(2)

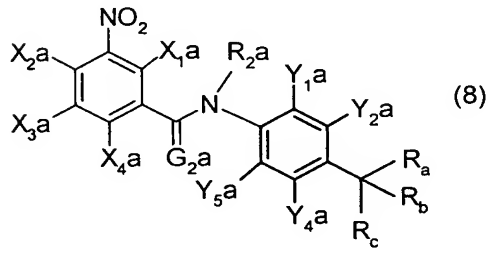
(wherein Y_1 and Y_5, which may be identical or different, each represent a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group or a cyano group; Y_3 represents a C2-C6 perfluoroalkyl group, a C1-C6 perfluoroalkylthio group, a C1-C6 perfluoroalkylsulfinyl group or a C1-C6 perfluoroalkylsulfonyl group; and Y_2 and Y_4 each represent a hydrogen atom, a halogen atom or a C1-C4 alkyl group);

or by Formula (3):


(3)

(wherein Y_6 and Y_9, which may be identical or different, each represent a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group or a cyano group; Y_8 represents a C1-C4 haloalkoxy group, a C2-C6 perfluoroalkyl group, a C1-C6 perfluoroalkylthio group, a C1-C6 perfluoroalkylsulfinyl group or a C1-C6 perfluoroalkylsulfonyl group; and Y_7 represents a hydrogen atom, a halogen atom or a C1-C4 alkyl group).

9. A compound represented by Formula (8):


(8)

wherein X_1a, X_2a, X_3a and X_4a each represent a hydrogen atom, a C1-C3 alkyl group, a trifluoromethyl group, a hydroxyl group, an amino group or a halogen atom;

R_a and R_b each represent a fluorine atom or a C1-C4 perfluoroalkyl group;

R_c represents a hydroxyl group, a group $-O-R_d$ (wherein R_d represents a C1-C3 alkyl group, a C1-C3 haloalkyl group, a C1-C3 alkylsulfonyl, a C1-C3 haloalkylsulfonyl group, an arylsulfonyl

group, a C1-C4 alkylcarbonyl group or a C1-C4 haloalkylcarbonyl group), a chlorine atom, a bromine atom or an iodine atom;

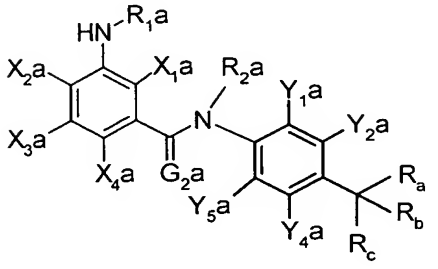
R_2a represents a hydrogen atom, a C1-C3 alkyl group, a C1-C3 haloalkyl group, a C1-C3 alkoxy group, a C1-C3 haloalkoxy group, a C1-C4 alkylthio group, a C1-C4 haloalkylthio group, a C1-C4 alkylcarbonyl group or a C1-C4 haloalkylcarbonyl group;

Y_1a and Y_5a each represent a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C4 alkylthio group, a C1-C4 haloalkylthio group, a C1-C3 alkylsulfinyl group or a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, a cyano group, a hydroxyl group or a halogen atom;

Y_2a and Y_4a each represent a hydrogen atom, a C1-C4 alkyl group or a halogen atom; and

G_2a represents an oxygen atom or a sulfur atom.

10. A compound represented by Formula (11):



(11)

wherein X_1a, X_2a, X_3a and X_4a each represent a hydrogen atom, a C1-C3 alkyl group, a trifluoromethyl group, a hydroxyl group, an amino group or a halogen atom;

R_a and R_b each represent a fluorine atom or a C1-C4 perfluoroalkyl group;

R_c represents a hydroxyl group, a group $-O-R_d$ (wherein R_d represents a C1-C3 alkyl group, a C1-C3 haloalkyl group, a C1-C3

alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, an arylsulfonyl group, a C1-C4 alkylcarbonyl group or a C1-C4 haloalkylcarbonyl group), a chlorine atom, a bromine atom or an iodine atom;

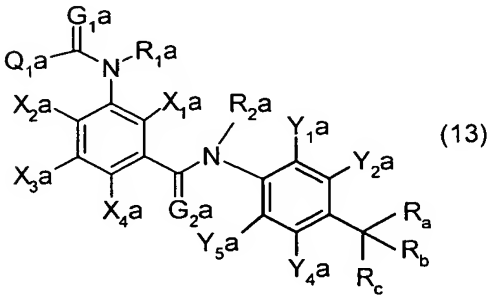
R_1a and R_2a each represent a hydrogen atom, a C1-C3 alkyl group, a C1-C3 haloalkyl group, a C1-C3 alkoxy group, a C1-C3 haloalkoxy group, a C1-C4 alkylthio group, a C1-C4 haloalkylthio group, a C1-C4 alkylcarbonyl group or a C1-C4 haloalkylcarbonyl group;

Y_1a and Y_5a each represent a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C4 alkylthio group, a C1-C4 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, a cyano group, a hydroxyl group or a halogen atom;

Y_2a and Y_4a each represent a hydrogen atom, a C1-C4 alkyl group or a halogen atom; and

G_2a represents an oxygen atom or a sulfur atom.

11. A compound represented by Formula (13):



(13)

wherein X_1a, X_2a, X_3a and X_4a each represent a hydrogen atom, a C1-C3 alkyl group, a trifluoromethyl group, a hydroxyl group, an amino group or a halogen atom;

R_a and R_b each represent a fluorine atom or a C1-C4 perfluoroalkyl group;

R_c represents a hydroxyl group, a group -O-R_d (wherein R_d represents a C1-C3 alkyl group, a C1-C3 haloalkyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, an arylsulfonyl group, a C1-C4 alkylcarbonyl group or a C1-C4 haloalkylcarbonyl group), a chlorine atom, a bromine atom or an iodine atom;

R_1a and R_2a each represent a hydrogen atom, a C1-C3 alkyl group, a C1-C3 haloalkyl group, a C1-C3 alkoxy group, a C1-C3 haloalkoxy group, a C1-C4 alkylthio group, a C1-C4 haloalkylthio group, a C1-C4 alkylcarbonyl group or a C1-C4 haloalkylcarbonyl group;

Y_1a and Y_5a each represent a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C1-C4 alkylthio group, a C1-C4 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, a cyano group, a hydroxyl group or a halogen atom;

Y_2a and Y_4a each represent a hydrogen atom, a C1-C4 alkyl group or a halogen atom;

G_1a and G_2a each represent an oxygen atom or a sulfur atom;

Q_1a represents a phenyl group; a substituted phenyl group having one or more substituents, which may be identical or different, selected from a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group, a C2-C4 haloalkenyl group, a C2-C4 alkynyl group, a C2-C4 haloalkynyl group, a C3-C6 cycloalkyl group, a C3-C6 halocycloalkyl group, a C1-C3 alkoxy group, a C1-C3 haloalkoxy group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, a C1-C4

alkylamino group, a di-C1-C4-alkylamino group, a cyano group, a nitro group, a hydroxyl group, a C1-C4 alkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, a C1-C4 alkoxycarbonyl group, an acetylamino group and a phenyl group; a heterocyclic group (the heterocyclic group herein represents a pyridyl group, a pyridin-N-oxide group, a pyrimidinyl group, a pyridazyl group, a pyrazyl group, a furyl group, a thienyl group, an oxazolyl group, an isoxazolyl group, an oxadiazolyl group, a thiazolyl group, an isothiazolyl group, an imidazolyl group, a triazolyl group, a pyrrolyl group, a pyrazolyl group or a tetrazolyl group); or a substituted heterocyclic group (which means the same as those described above) having one or more substituents, which may be identical or different, selected from a halogen atom, a C1-C4 alkyl group, a C1-C4 haloalkyl group, a C2-C4 alkenyl group, a C2-C4 haloalkenyl group, a C2-C4 alkynyl group, a C2-C4 haloalkynyl group, a C3-C6 cycloalkyl group, a C3-C6 halocycloalkyl group, a C1-C3 alkoxy group, a C1-C3 haloalkoxy group, a C1-C3 alkylthio group, a C1-C3 haloalkylthio group, a C1-C3 alkylsulfinyl group, a C1-C3 haloalkylsulfinyl group, a C1-C3 alkylsulfonyl group, a C1-C3 haloalkylsulfonyl group, a C1-C4 alkylamino group, a di-C1-C4-alkylamino group, a cyano group, a nitro group, a hydroxyl group, a C1-C4 alkylcarbonyl group, a C1-C4 alkylcarbonyloxy group, a C1-C4 alkoxycarbonyl group, an acetylamino group and a phenyl group.

12. An insecticide containing the compound according to any one of claims 1 to 6 as the active ingredient.

13. A method of using pesticide in treating crops for cultivation or the soil to be treated with an effective amount of

the compound according to any one of claims 1 to 6, in order to protect the crops from harmful organisms.

14. A mixture in which the compound according to any one of claims 1 to 6 is combined with at least one other insecticide and/or fungicide.